

PATENT CLAIMS

1. A machining device for said components (2), especially body parts, with a said multiaxial transport means (6) and at least one said tool (11), **characterized in that** at least one said carrier (7) with one or more said multiaxial machining units (8, 9) with a plurality of said tools (11) are arranged at the said transport means (6).
2. A machining device in accordance with claim 1, **characterized in that** the said transport means (6) is designed as a said multiaxial transport robot.
3. A machining device in accordance with claim 1 or 2, **characterized in that** the said machining units (8, 9) are designed as said multiaxial small robots (10).
4. A machining device in accordance with claims 1, 2 or 3, **characterized in that** the said machining units (8, 9) are arranged on different sides of the said carrier (7).
5. A machining device in accordance with one of the above claims, **characterized in that** the said machining units (8, 9) can be controlled individually.
6. A machining device in accordance with one of the above claims, **characterized in that** the said machining units (8, 9) can be controlled from the said transport means (6).

7. A machining device in accordance with one of the above claims, **characterized in that** the said carrier (7) is designed as an essentially straight girder.
8. A machining device in accordance with one of the above claims, **characterized in that** the said small robots (10) are designed as six-axis articulated arm robots.
9. A machining device in accordance with one of the above claims, **characterized in that** the said machining units (8, 9) are arranged on different sides of the said carrier (7), offset in relation to one another.
10. A machining device in accordance with one of the above claims, **characterized in that** the said machining units (8, 9) carry said replaceable tools (11).
11. A machining device in accordance with one of the above claims, **characterized in that** the said tools (11) of the said machining units (8, 9) are designed at least partly as said joining tools.
12. A machining device in accordance with one of the above claims, **characterized in that** a said additional support (22) is provided for the said carrier (7).
13. A machining station for machining said components (2), especially for joining said body parts, **characterized in that** one or more said machining devices (5) in accordance with one of the claims 1 through 12 above are arranged in the said machining station (1).

14. A machining station in accordance with claim 13, **characterized in that** the said machining device(s) (5) is/are arranged at a said station frame (3).
15. A machining station in accordance with claim 13 or 14, **characterized in that** the said machining device(s) (5) is/are designed as a portal robot/portal robots.
16. A method for machining said cubic components (2), especially said body parts, by means of a said multiaxial transport means (6) and at least one said tool (11), **characterized in that** the said transport means (6) introduces at least one said carrier (7) with one or more said multiaxial machining units (11) into the interior space of the said component (2), wherein the said machining units (8, 9) carry out machining operations on the inside of the said component (2).
17. A method in accordance with claim 16, **characterized in that** the said component (2) is clamped on the inside by one or more said machining units (8, 9) and is machined by said other machining units (8, 9).
18. A method in accordance with claim 16 or 17, **characterized in that** the said carrier (7) with the said machining units (8, 9) is introduced through an opening into the said component (2).
19. A method in accordance with claims 16, 17 or 18, **characterized in that** the said carrier (7) with the said machining units (8, 9) is additionally supported in the working position by a said support means (22).